For more detailed installation and operating instructions, refer to the touch panel's instruction manual, available on-line at **www.amx.com**.

FIG. 1 NXA-BASE/B and NXT-BP

Overview of the NXA-BASE/B

The NXA-BASE/B (Battery Base) is a Modero accessory that allows a touch panel to function off the collective charge of two internally connected NXT-BP batteries (**FG2255-10**). The base provides both power and battery information to the panel via the panel interface connector (FIG. 2).

This base is also sold as part of an NXA-BASE/B Kit (**FG2255K**) that contains one (1) battery base and two (2) batteries. The accompanying batteries can be charged through either the base or optional NXT-CHG Modero Power Station (**FG2250-50**). Refer to the *12" and 15" Modero Touch Panel Series Owner/ Reference Manual* for more information.

Specifications

Specifications	
Dimensions (HWD): NXA-BASE/B (**FG2255**)	• 1.13" x 8.63" x 11.81" (2.86 cm x 21.91 cm x 30.00 cm)
NXT-BP (**FG2255-10**)	• 0.69" x 3.50" x 5.81" (1.75 cm x 8.89 cm x 14.76 cm)
Power:	• NXA-BASE/B: 2.7 A @ 12 VDC (max power draw while charging) • NXT-BP: Voltage - 11.1 Volts
Weight:	• Base unit: 1.25 lbs (0.567 kg) • Base and 2 batteries: 3.23 lbs (1.47 kg)
NXA-BASE/B: Features	• Charge current 2.5A @ 12 VDC • Charge time for two depleted batteries ~ 5 - 8 hours • The Modero unit plus battery base requires a PSN6.5 power supply • Operating Environment: 10° C (50° F) to 35° C (95° F) • Storage Temperature: -20° C (-4° F) to +60° C (140° F)
NXT-BP Features:	• Battery Usage: 4 to 8 hours (time is usage-dependent) • Charge Capacity: 6300mAh • Operating Environment: 10° C (50° F) to 35° C (95° F) • Storage/Discharge Temperature: -20° C (-4° F) to +60° C (140° F)
Optional Accessories:	• NXT-CHG Kit (**FG2250-50K**): 1 charger (**FG2250-50**) and 2 NXT-BP batteries (**FG2255-10**) • NXT-BP batteries (**FG2255-10**) • NXT-CHG charger (**FG2250-50**)

ATTENTION! Before beginning the installation of the battery base to a CV series touch panel (NXDT-CV7, -CV10, or -CV17), verify that the firmware on the panel is Build 27 or higher. This build incorporates the necessary updates for using the Modero with the NXA-BASE/B. This does not apply to other Modero touch panels. Refer to the touch panel's instruction manual for detailed firmware update procedures.

Installing the NXT-BASE/B to an NXT Modero Panel

1. Power *Off* the panel before attempting to use the NXA-BASE/B.
2. Place the empty battery base onto a flat/level surface.
3. Verify the alignment of the Panel Interface connectors between the panel (male connector) and base (female connector) (FIG. 2).
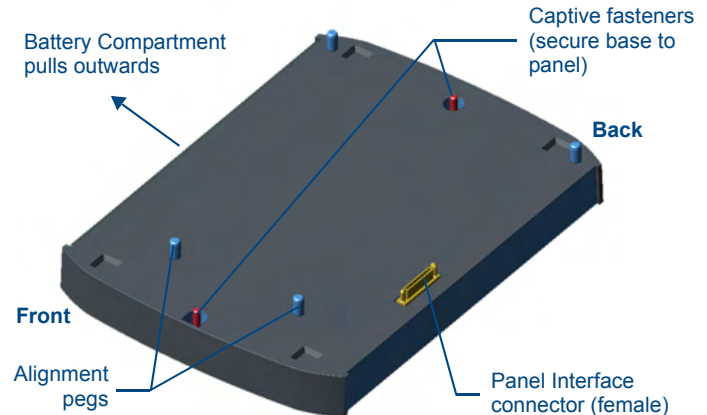

FIG. 2 NXA-BASE/B showing Panel Interface and connector locations

4. Carefully place the Modero panel over the base alignment pegs (FIG. 3). These pegs assist in aligning the panel to the base.
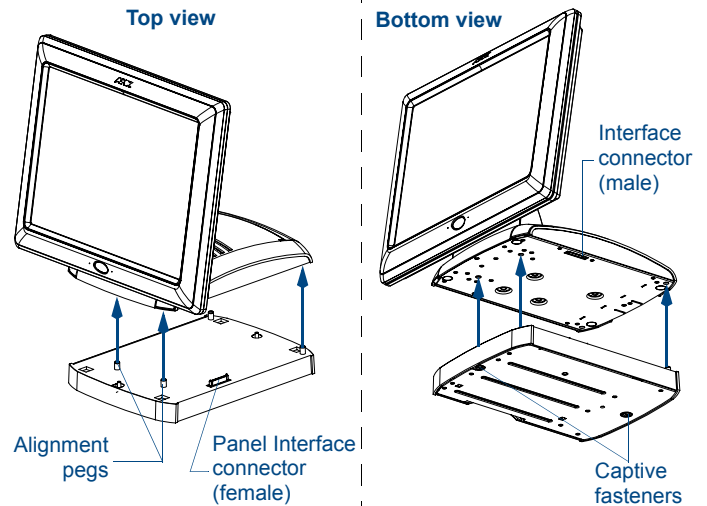

FIG. 3 NXA-BASE/B shown aligning with NXT panel

5. Gently apply downward pressure until the panel is securely mounted to the battery base.
6. Firmly grip both the panel (from side) and battery base (from below).

ATTENTION! The battery base CANNOT be "hot-swapped". A panel receiving power through a connected PSN6.5 cannot have a Panel Interface connector from the battery base inserted into the bottom of the panel. POWER OFF the panel before installing the NXA-BASE/B.

7. Gently place the touch panel LCD facedown onto a soft cloth. This prevents scratching of the LCD while the battery base is secured.
8. Locate the captive fastners on the underside of the battery base (FIG. 4) by angling the base combo slightly forwards.
9. Push down on each fastener head by using a flat-head screwdriver to turn them clockwise until the NXA-BASE/B is securely attached to the underside of the NXT Modero touch panel.
10. After securing is complete, firmly grip both the panel LCD/base combo and gently place the unit back onto a flat surface.
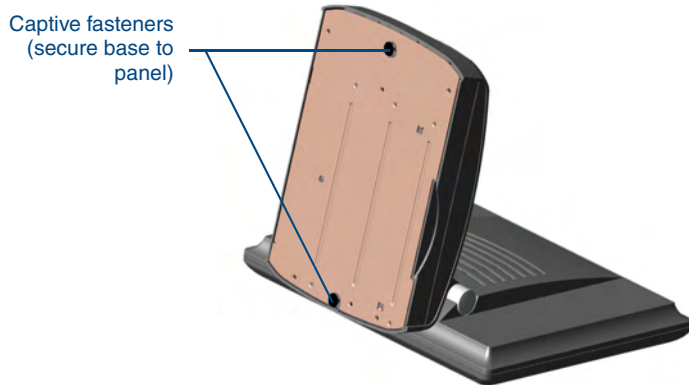
FIG. 4 NXT-BASE/B showing underside fastener locations

Captive fasteners (secure base to panel)

Checking the NXT-BP Charge

1. Press the Battery Life Indicator button (FIG. 5) once to illuminate the Battery Life LEDs and display the percent charge remaining on the battery (*this indication lasts for a few seconds*).

Battery Life (Charge)

Battery Life Indicator button

It's recommended to fully charge the batteries before their initial use

FIG. 5 NXT-BP Modero Power Pack (showing Battery Life Indicator and button)

2. Repeat the above step for the remaining NXT-BP battery.
3. Charge the batteries by inserting them within the battery base.
   It is recommended to fully charge the batteries before they are initially inserted into the base. Refer to the following section for more detailed information on this process.

ATTENTION! If the 25% LED indicator is blinking, this indicates that the battery has less than 5% of a charge remaining.

Installation of an NXT-BP into the NXA-BASE/B

The base does not directly connect to a power supply, but rather receives the power necessary to charge the batteries from the Modero panel (through the Panel Interface connector).

1. With the panel atop the base, open the battery compartment (FIG. 6) by pulling the handle outwards. This compartment is capable of housing two (2) NXT-BP batteries.
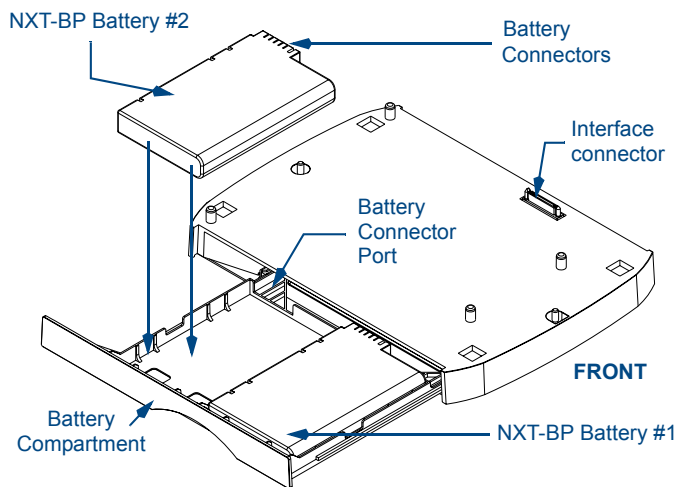

NXT-BP Battery #2

Battery Connectors

Interface connector

Battery Connector Port

FRONT

Battery Compartment

NXT-BP Battery #1

FIG. 6 Battery installation procedure

2. Install the NXT-BP battery with the "label-side" facing down

3. Align the battery connectors with their corresponding battery connector ports (located on the battery slot inside the battery compartment) (FIG. 6).
4. Insert the NXT-BP battery until the connectors securely fit into the battery connector port within the slot.
5. Repeat steps 3 and 4 for the remaining battery.
6. Apply a small amount of pressure to close the battery compartment until the compartment latches.

ATTENTION! The AMX logo will appear to indicate that the panel is receiving power.

Updating Firmware and Setup pages

1. Download the latest Modero firmware from the AMX.com website.
2. Update the latest firmware to the Modero panel. Refer to the instruction manual for detailed download and update instructions.

NOTE: With older panels, such as the NXDT-CV7, -CV10, or -CV17 touch panels, the Modero firmware must be Build 27 or higher.

3. Download the TPDesign4 setup patch from the AMX.com website to update the current release of TPD4 for use with the NXA-BASE/B.
4. Launch the patch **TPD4 Patch.EXE** to update your TPD4 program.
5. After rebooting your machine, create a new TPD4 project that consists of a single blank NXT Modero touch panel page and button.
6. Download this page to the panel using the *Full Clean - Download to Panel* feature in TPD4. Refer to the manual for more detailed information. This step updates the Setup pages (*more specifically, the Battery Base page*) on your Modero panel.
7. Press and hold the Front Setup Access button (FIG. 7) for 3-seconds to access the on-screen Setup page.

(simulated image)

Front Setup Access button

FIG. 7 NXA-BASE/B and Modero panel combo

8. Press the on-screen Protected Setup button and press the on-screen Reboot button to restart the panel and incorporate the new changes.
9. After startup, repeat step 7 to access the Setup page.
10. Press the on-screen BATTERY BASE button to access the Battery Base page. This page allows you to both confirm communication between the two units (panel and battery base) and the charging/discharging status of the batteries within the battery base.

Charging the NXT-BPs using the NXA-BASE/B

1. Insert the two (2) batteries into the battery compartment shown in FIG. 6.
2. Insert a 2-pin connector, from a PSN6.5 power supply, to the rear PWR connector on the NXT Modero panel.

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